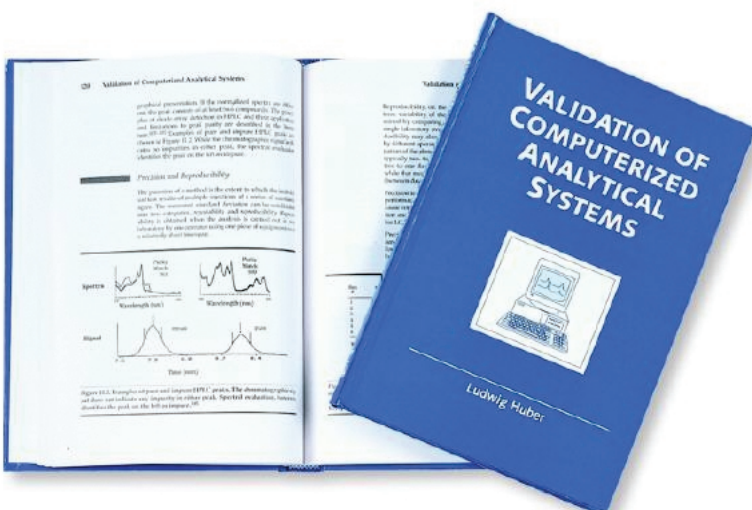


ChemStore C/S Emergency Concept

Technical Overview

Marc Schöler



Introduction

Together with higher sample load, cost constraints and personal restrictions, the requirements to the uptime of laboratory data systems grow significantly. While traditionally integrators, special computers or dedicated PC's were used, only with the help of state of the art client/server systems can these new requirements be solved.

These complex systems are much more powerful, thus if they fail a complete laboratory can come to a halt. To evaluate costs and risk, a risk analysis is mandatory. To minimize the risk typically an emergency concept has to be implemented, based on the risk analysis.

In a regulated environment this is mandatory, but the investment will pay for itself with the first incident also in a non-regulated environment.



Agilent Technologies

The service

Risk analysis

Together with the customer, Agilent Technologies makes a risk analysis of the complete system, including the:

- Server configuration
- Configuration and topology of the network.
- Client configuration
- Interfaces to other systems

With this risk analysis the costs and probabilities of a system failure will be evaluated for the system and the processes requiring this system.

Availability concept

Based on the risk analysis the re-quired balance between cost and required availability will be determined.

The typical main part here is the fail safe configuration of the server and the network.

Emergency concept

In case of a failure despite the availability concept, Agilent develops together with the customer an emergency concept.

The potential problems found in the risk analysis and left over from the availability concept will be described and solutions will be implemented.

For example the system can be configured for emergency operation to work again within a few minutes. This emergency concept will be developed, documented, trained and tested together with customer.

Limitations

Backup and Recovery should be at the core of each emergency concept. This service does not include the development of a backup and recover strategy, it just integrates an existing backup concept in the emergency plan.

For the development of a backup strategy, Agilent Technologies offers the service "ChemStore C/S Backup and Restore Strategies" as described in technical note no. 5988-4461EEE.

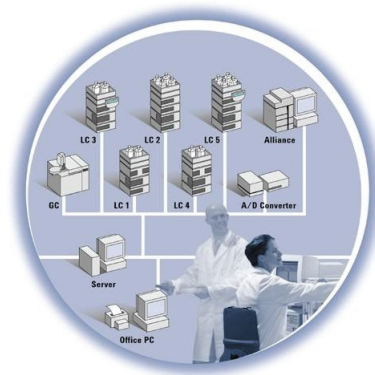
Further Information

As one of the leaders in Network Data System Solutions for the analytical laboratory, please check out our web site at

<http://www.agilent.com/chem>

For details about this service:

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